

processing chamber, the gas injector body including a plurality of gas outlets adapted to

supply process gas into the processing chamber, the gas outlets including a center gas outlet

extending in the axial direction and a plurality of angled gas outlets extending at an acute

angle to the axial direction, wherein the gas outlets are located in the axial distal end

surface of the gas injector body;

an annular flange adapted to overlie and contact an outer surface of the chamber

wall; and

a first O-ring seal in a surface of the flange for sealing against the outer surface of  
the chamber wall.